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Sheet	1	of	1
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## Complete if Known

Application Number	10727,570
Filing Date	December 5, 2003
First Named Inventor	Sung Su JUNG, et al
Art Unit	1762
Examiner Name	LIN, James
Attorney Docket Number	8734.268 US

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	US 2002/0018173	02/14/2002	Furukawa et al	
		US 2002/0167634	11/14/2002	Watanabe et al	

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>2</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)					
	BA	JP 07-318952		12/08/1995	Sharp KK (abstract)		
		JP 2004-163952		06/10/2004	LG Philips LCD Co., Ltd. (abstract)		
		JP 04-305265		10/28/1992	Musashi Eng KK (abstract)		
		JP 01-132197		05/23/1989	Sanyo Electric Co., Ltd. (abstract)		
		JP 2004-030941		01/29/2004	Toray Ind Inc. (abstract)		
		JP 2004-113910		04/15/2004	Shibaura Mechatronics Corp (abstract)		
		JP 2004-212976		07/29/2004	LG Philips LCD Co., Ltd. (abstract)		
		JP 05-146732		06/15/1993	Toshiba Corp. (abstract)		
		JP 2004-163952		06/10/2004	LG Philips LCD Co., Ltd. (abstract)		
		JP 2003-047899		02/18/2003	Shibaura Mechatronics Corp (abstract)		
		JP 10-296133		11/10/1998	Hiroshima KK, et al (abstract)		
		JP 03-094859		04/19/1991	Musashi Eng KK (abstract)		
		JP 09-099268		04/15/1997	Musashi Eng KK (abstract)		
		JP 10-240172		09/11/1998	Sharp KK (abstract)		
		JP 11 064862		03/05/1999	Tokyo Shibaura Electric Co. (abstract)		
		JP 10-107289		04/24/1998	Matsushita Electric Ind Co., Ltd. (abstract)		
		JP 60-003609		01/10/1985	Sharp KK (abstract)		
		JP 2002-023128		01/23/2002	Minolta Co., Ltd. (abstract)		
		JP 2002-311439		10/23/2002	Nippon Electric Co. (abstract)		
		JP 05-023332		12/07/1993	Tokyo Shibaura Electric Co. (abstract)		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinda Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the application number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
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Examiner Signature	James Lin/	Date Considered	04/23/2008
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